Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/08/2021 09:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123079	-2	2.79	123145	2.82
Blue	F	SSC	125000	123926	-1	3.96	124674	3.95
Blue	E	FITC	14203	13726	-4	3.26	298	16.01
Blue	D	PE	25703	24947	-3	2.93	540	11.14
Blue	B	PerCP-Cy5-5	42104	40862	-3	3.64	912	15.24
Blue	A	PE-Cy7	34646	34063	-2	4.87	491	30.41
Red	C	APC	49824	48886	-2	3.41	1492	11.81
Red	A	APC-Cy7	39773	38687	-3	3.52	732	12.03
Violet	B	V450	7447	7102	-5	4.03	407	12.77
Violet	A	V500	31193	30050	-4	3.89	686	9.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21297	3.19	556	0	N/A	N/A	Pass
Blue	F	SSC	54796	3.54	518	6	N/A	N/A	Pass
Blue	E	FITC	54	57.02	488	2	0.0383	193	Pass
Blue	D	PE	106	40.97	489	4	0.3667	317	Pass
Blue	B	PerCP-Cy5-5	176	36.48	581	4	0.0177	30	Pass
Blue	A	PE-Cy7	113	65.89	626	6	0.0203	2	Pass
Red	C	APC	348	24.29	569	2	0.0262	65	Pass
Red	A	APC-Cy7	203	24.28	545	1	0.0059	324	Pass
Violet	B	V450	89	40.59	446	-3	0.0417	1284	Pass
Violet	A	V500	119	29.12	464	-3	0.0280	835	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.98	-31.53	1.07
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	21.20	15.99 - 23.99	N/A	N/A	29.89	30.25	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10676

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments